



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Michael R. Krames; Mihail M. Sigalas; Jonathan J. Wierer Jr.  
Assignee: Lumileds Lighting U.S., LLC  
Title: LED Including Photonic Crystal Structure (as amended)  
Serial No.: 10/059,588 Filing Date: January 28, 2002  
Examiner: Ginette Peralta Group Art Unit: 2814  
Docket No.: M-11547 US  
(LUM- M-11547 US )

San Jose, California  
August 8, 2005

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Commissioner for Patents  
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UNDER 37 CFR § 1.97(b)**

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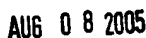
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Respectfully submitted,

Rachel V. Leiterman  
Attorney for Applicant(s)  
Reg. No. 46,868

PATENT LAW  
GROUP LLP  
2635 N. FIRST ST.  
SUITE 223  
SAN JOSE, CA 95134  
(408) 382-0480  
FAX (408) 382-0481



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Sheet	1	of	2
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**Complete if Known**

Application Number	10/059,588
Filing Date	January 28, 2002
First Named Inventor	Michael R. Krames
Art Unit	2814
Examiner Name	Douglas A. Wille
Attorney Docket Number	M-11547 US

## U. S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

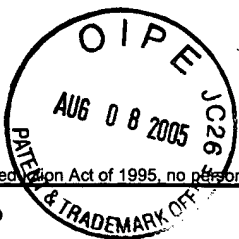
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
		EP 0 874 405 A2	10-28-1998	Mitsubishi Cable Ind.		
		WO 03/023857 A2	3-20-2003	Lucea AG		
		EP 1 071 143 A1	1-24-2001	Mitsubishi Cable Ind.		

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Examiner Name	Douglas A. Wille
Attorney Docket Number	M-11547 US

Sheet 2 of 2

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		W.D. ZHOU et al., "Electrically injected single-defect photonic bandgap surface-emitting laser at room temperature," Electronics Letters, 31st August 2000, Vol. 36, No. 18, 2 pages.	
		P. BHATTACHARYA et al., "Electrically Injected Photonic Bandgap Microcavity Light Sources," Dept. of Electrical Engineering and Computer Science, University of Michigan paper. pp.76-77.	
		SHOATA KITAMURA et al., "Fabrication of GaN Hexagonal Pyramids on Dot-Patterned GaN/Sapphire Substrates via Selective Metalorganic Vapor Phase Epitaxy," Jpn. J. Appl. Phys., Vol. 34 (1995) pp. L1184-L1186, Part 2, No. 9B, 15 September 1995.	
		MASAKI NAGAHARA et al., "Selective Growth of Cubic GaN in Small Areas on Patterned GaAs (100) Substrates by Metalorganic Vapor Phase Epitaxy," Jpn. J. Appl. Phys., Vol. 33 (1994) pp. 694-697, Part 1, No. 1B, January 1994.	

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